

IN THE CLAIMS:

Please amend claims 1, 2, 3, 14, 15 and 16 as follows, wherein insertions are underlined and deletions are indicated with strikethrough or double brackets.

Claim 1. (Currently Amended) A wireless network system for use with two vehicles, said system comprising:

 a first relay device including first and second Bluetooth® modules, each of the first and second Bluetooth® modules capable of performing a cable communication irrespective of which is a master or slave, wherein said relay device is configured to be mounted to a first mobile apparatus; and

 at least one first wireless terminal including a third Bluetooth® module,
wherein the first and third Bluetooth® modules structure a first piconet in which the first Bluetooth® module is a master, and the third Bluetooth® module is a slave,

 the second Bluetooth® module structures a second piconet;

 and wherein the first piconet and the second piconet structure a network, said network being configured to function independent of a host.

Claim 2. (Currently Amended) The wireless network system according to claim 1, comprising:

 a second relay device including a fourth Bluetooth® module, wherein said second relay is configured to be mounted to a second mobile apparatus; and

 at least one second wireless terminal including a fifth Bluetooth® module,
wherein the second, fourth, and fifth Bluetooth® modules structure a second piconet in which the fourth Bluetooth® module is a master, and the second and fifth Bluetooth® modules are slaves.

Claim 3. (Currently Amended) The wireless network system according to claim 1, comprising:

a second relay device including fourth and sixth Bluetooth® modules, each of the fourth and sixth Bluetooth® modules capable of performing a cable communication irrespective of which is a master or slave, wherein said second relay device is configured to be mounted to a second mobile apparatus;

at least one second wireless terminal including a fifth Bluetooth® module;

the second and fourth Bluetooth® modules structure a third piconet in which the fourth Bluetooth® module is a master, and the second Bluetooth® module is a slave;

wherein the fifth and sixth Bluetooth® modules structure a third piconet in which the sixth Bluetooth® module is the master, and the fifth Bluetooth® module is the slave;
and

wherein the first, second, and third piconets structure a network.

Claim 4. (Original) The wireless network system according to claim 1, wherein the first and third Bluetooth® modules communicate with each other with transmission electricity conforming to a class 2 or 3 of a Bluetooth® standard.

Claim 5. (Original) The wireless network system according to claim 2, wherein the second, fourth, and fifth Bluetooth® modules communicate with one another with transmission electricity conforming to a class 1 of a Bluetooth® standard.

Claim 6. (Original) The wireless network system according to claim 5, wherein the fifth Bluetooth® module includes means for restricting transmission electricity.

Claim 7. (Original) The wireless network system according to claim 3, wherein the second and fourth Bluetooth® modules communicate with each other with transmission electricity conforming to a class 1 of a Bluetooth® standard.

Claim 8. (Original) The wireless network system according to claim 3, wherein the fifth and sixth Bluetooth® modules communicate with each other with transmission electricity conforming to a class 2 or 3 of a Bluetooth® standard.

Claim 9. (Original) The wireless network system according to claim 1, wherein an

SCO link or an ACL link is established between the Bluetooth® modules.

Claim 10. (Original) The wireless network system according to claim 1 or 2, wherein, in the first relay device, the first and second Bluetooth® modules are controlled by common control means.

Claim 11. (Original) The wireless network system according to claim 10, wherein the first and second Bluetooth® modules and the control means are connected together via a bus.

Claim 12. (Original) The wireless network system according to claim 3, wherein, in the second relay device, the fourth and sixth Bluetooth® modules are controlled by common control means.

Claim 13. (Original) The wireless network system according to claim 12, wherein the fourth and sixth Bluetooth® modules and the control means are connected together via a bus.

Claim 14. (Currently Amended) A wireless communications method in a wireless network system constructed by a plurality of Bluetooth® terminals, wherein

the system comprises:

a first relay device including first and second Bluetooth® modules, each of the Bluetooth® modules performs a cable communication irrespective of which is a master/slave, wherein said first relay device is configured to be mounted on a first mobile apparatus; and

at least one first wireless terminal including a third Bluetooth® module, and

in the method,

the first and third Bluetooth® modules communicate with each other on a first piconet in which the first Bluetooth® module is a master, and the third Bluetooth® module is a slave,

the second Bluetooth® module communicates with any one of the other

Bluetooth® modules on a second piconet, and

the first Piconet and the other piconet structure a network, said network being configured to function independent of a host.

Claim 15. (Currently Amended) The wireless communications method in a wireless network system according to claim 14, wherein

the system comprises:

a second relay device including a fourth Bluetooth® module, said second relay device being configured to be mounted on a second mobile apparatus; and

at least one second wireless terminal including a fifth Bluetooth® module, and

in the method,

the second, fourth, and fifth Bluetooth® modules communicate with one another on a second piconet in which the fourth Bluetooth® module is a master, and the second and fifth Bluetooth® modules are slaves, and

the first and second piconets structure a network, said network being configured to function independent of a host.

Claim 16. (Currently Amended) The wireless communications method in a wireless network system according to claim 14, wherein

the system comprises:

a second relay device including fourth and sixth Bluetooth® modules, and each of the Bluetooth® modules performs a cable communication irrespective of which is a master/slave, wherein said second relay device is configured to be mounted on a second mobile apparatus; and

at least one second wireless terminal including a fifth Bluetooth® module, and

in the method,

the second and fourth Bluetooth® modules communicate with one another on a third Piconet in which the fourth Bluetooth® module is a master, and the second Bluetooth® module is a slave,

the fifth and sixth Bluetooth® modules communicate with each other on a third piconet in which the sixth Bluetooth® module is the master, and the fifth Bluetooth® module is the slave, and

the first, second, and third piconets structure a network, said network being configured to function independent of a host.

Claim 17. (Original) The wireless communications method in a wireless network system according to claim 14, wherein the first and third Bluetooth® modules communicate with each other with transmission electricity conforming to a class 2 or 3 of a Bluetooth® standard.

Claim 18. (Original) The wireless communications method in a wireless network system according to claim 15, wherein the second, fourth, and fifth Bluetooth® modules communicate with one another with transmission electricity conforming to a class 1 of a Bluetooth® standard.

Claim 19. (Original) The wireless communications method in a wireless network system according to claim 18, wherein the fifth Bluetooth® module restricts transmission electricity.

Claim 20. (Original) The wireless communications method in a wireless network system according to claim 16, wherein the second and fourth Bluetooth® modules communicate with each other with transmission electricity conforming to a class 1 of a Bluetooth® standard.

Claim 21. (Original) The wireless communications method in a wireless network system according to claim 16, wherein the fifth and sixth Bluetooth® modules communicate with each other with transmission electricity conforming to a class 2 or 3 of a Bluetooth® standard.

Claim 22. (Original) The wireless communications method in a wireless network system according to claim 14, wherein an SCO link or an ACL link is established between the Bluetooth® modules.

Claim 23. (Original) The wireless communications method in a wireless network system according to claim 14 or 15, wherein, in the first relay device, the first and second Bluetooth® modules are controlled by common control means.

Claim 24. (Original) The wireless communications method in a wireless network system according to claim 23, wherein the first and second Bluetooth® modules and the control means are connected together via a bus.

Claim 25. (Original) The wireless communications method in a wireless network system according to claim 16, wherein, in the second relay device, the fourth and sixth Bluetooth® modules are controlled by common control means.

Claim 26. (Original) The wireless communications method in a wireless network system according to claim 25, wherein the fourth and sixth Bluetooth® modules and the control means are connected together via a bus.